AMENDMENTS TO THE SPECIFICATION

After the paragraph beginning on page 19 at line 15, please insert the following new paragraph:

Fig. 12 is a flow chart illustrating a communication control method according to an exemplary embodiment of the present invention.

Please replace the paragraph beginning on page 22 at line 6 with the following amended paragraph:

Fig. 2 is a flowchart generally showing operation of the base station shown in Fig. 1. Referring to Fig. 2, at first, in response to error correction coding of the transmission data (step S1), segmenting is performed (step S2). At this time, vacant periods are produced with a given interval (step S3) (step S5A, Fig. 12). Thereafter, insertion of the control signals to respective segments is performed during a normal data transmission period (steps S4 and S10) (step S6A, Fig. 12). The control signals are inserted in ten vacant period, immediately before the vacant period or immediately after the vacant period (steps S4 and S5). Then, transmission of signal is performed with performing the transmission power control (step S7A, Fig. 12).

Please replace the paragraph beginning on page 22 at line 18 with the following amended paragraph:

On the other hand, the control signals are extracted from a received data (step S7), and SIR measurement is performed with the pilot signals in the control signals (step S8). The SIR value as a result of measurement is compared with the target value for generating the

transmission power control information TPC for the reverse link on the basis of the result of comparison (step S9). Together with another control signal such as the pilot signal, the transmission power control information TPC is inserted in respective of the segments and the vacant periods, respectively (steps S5 and S10). On the other hand, according to the transmission power control information TPC for the forward link extracted at step S7 (step S13A, Fig. 12), the transmission power control is performed (step S14A, Fig. 12).

Please replace the paragraph beginning on page 25 at line 17 with the following amended paragraph:

Fig. 6 is a block diagram of the preferred embodiment of a mobile station according to the present invention. Referring to Fig. 6, a reception signal from an antenna 21 (step S8A, Fig. 12) is input to a dispreading portion 23 via a transmission and reception common circuit 22 to perform dispreading process. An output of the dispreading portion 23 is demodulated by a demodulating portion 24 for outputting a demodulated output. On the other hand, an input transmission data is segmented by a segmenting portion 25 and input to a modulating portion 26. An output of the modulating portion 26 is supplied to the transmission and reception common circuit 22 via a spreading circuit 27 and a power amplifier 28 and transmitted from the antenna 21.

Please replace the paragraph beginning on page 26 at line 5 with the following amended paragraph:

In a pilot signal extracting portion 29, a pilot signal is extracted from a signal output from the demodulating portion 24 and transmitted to a SIR measuring portion 30 (step S9A, Fig. 12). In the SIR measuring portion 30, SIR in the forward link is measured (step S10A, Fig. 12). In a TPC signal generating portion 31, the SIR as measured value and the target value are compared. A comparison result is inserted in each segment as the transmission power control signal TPC for forward link by the control signal inserting portion 32 together with the pilot signal as other control signals (steps S11A and S12A, Fig. 12).

Please replace the paragraph beginning on page 31 at line 4 with the following amended paragraph:

On the other hand, similarly to the above, the mobile station monitors link quality, and issues a notice to the base station when the link quality degrades (steps S1A and S2A, Fig. 12). Responding to the notice, the base station enters into the transmission mode including the vacant period (steps S3A and S4A, Fig. 12). In conjunction therewith, the mobile station initiates control operation corresponding to the transmission mode. Furthermore, the base station monitors congestion of the link to generated the vacant period depending on the congestion condition. As a method for entering into the transmission mode with the vacant period by monitoring the congestion condition of the link by the base station, the base station monitors number of mobile stations in communication with own station. When the number of the mobile

stations is in excess of the predetermined value, notice is issued for a past of the mobile stations in communication for making them to perform measurement of the reception condition of other frequency carrier. Then, the base station enters in to the transmission mode with providing the vacant period for the mobile station which issued the notice. Then, the mobile station receiving the notice initiates control operation corresponding to the transmission mode.